

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-12 canceled.

13. (Currently amended) A light source arrangement comprising  
a radiation source that emits radiation from the wavelength range 400 to 500 nm of the  
spectrum, and  
a mixture of luminescent materials arranged to receive said radiation,  
wherein one of said luminescent materials has a Ce-activated garnet structure having the formula  
 $A_3B_5O_{12}$ , in which the first component A contains at least one element from the group consisting  
of Y, Lu,  $[[Se]]Sc$ , La, Gd, and Sm and the second component B contains at least one element  
from the group consisting of Al, Ga and In,  
wherein another of said luminescent materials has a Ce-activated garnet structure having  
the formula  $A_3B_5O_{12}$ , in which the first component A contains at least one element from the  
group consisting of Y, Lu,  $[[Se]]Sc$ , La, Gd, Sm and Tb and consists at least in part of Tb as a  
constituent of the host lattice, and the second component B contains at least one element from  
the group consisting of Al, Ga and In,  
wherein said radiation is at least partially converted into longer-wave radiation by said  
mixture of luminescent materials.

3 14. (Previously presented) The light source arrangement of claim 13 wherein said  
radiation source is a blue-emitting light-emitting diode.

4 15. (Previously presented) The light source arrangement of claim 14 wherein said  
light-emitting diode is based on GaN or InGaN.

2 ~~16~~. (Previously presented) The light source arrangement of claim ~~13~~<sup>1</sup> wherein said another of said luminescent materials includes a garnet structure having the formula  $(\text{Tb}_{1-x}\text{SE}_x\text{Ce}_y)_3(\text{Al,Ga})_5\text{O}_{12}$ , where

$\text{SE} = \text{Y, Gd, La, Sm and/or Lu}; 0 \leq x \leq 0.5 - y$ ; and

$0 < y < 0.1$ .

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5 ~~17~~. (Previously presented) The light source arrangement of claim ~~14~~<sup>3</sup> wherein said mixture of luminescent materials is provided as a mixture of inorganic luminescent pigment powders that is dispersed in a transparent plastic casting compound that is arranged to receive radiation from the radiation source.

6 ~~18~~. (Previously presented) The light source arrangement of claim ~~17~~<sup>5</sup> wherein said luminescent pigment powders have particle sizes  $\leq 20 \mu\text{m}$  and a mean particle diameter  $d_{50} \leq 5 \mu\text{m}$ .

7 ~~19~~. (Previously presented) The light source arrangement of claim ~~17~~<sup>5</sup> wherein said casting compound also includes at least one member of the group consisting of a thixotropic agent, a mineral diffusor, a water repellent and a bonding agent.

8 ~~20~~. (Previously presented) The light source arrangement of claim ~~18~~<sup>6</sup> wherein said casting compound also includes at least one member of the group consisting of a thixotropic agent, a mineral diffusor, a water repellent and a bonding agent.

9 ~~21~~. (Previously presented) The light source arrangement of claim ~~17, 18, 19 or 20~~<sup>5, 6, 7, 8</sup> wherein said mixture of luminescent materials is excitable by radiation from the range of 400 to 500 nm.

10 ~~22.~~ (Previously presented) The light source arrangement of claim ~~17, 18, 19 or 20~~ <sup>5 6 7 8</sup> wherein said mixture of luminescent materials is excitable by radiation from the range of 420 to 490 nm.

11 ~~23.~~ (Previously presented) The light source arrangement of claim ~~17, 18, 19 or 20~~ <sup>5 6 7 8</sup> wherein said another of said luminescent materials includes a garnet structure having the formula  $(\text{Tb}_{1-x-y}\text{SE}_x\text{Ce}_y)_3(\text{Al,Ga})_5\text{O}_{12}$ , where

SE = Y, Gd, La, Sm and/or Lu;  $0 \leq x \leq 0.5 - y$ ; and

$0 < y < 0.1$ .

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CONT 12 ~~24.~~ (Previously presented) The light source arrangement of claim ~~17, 18, 19 or 20~~ <sup>5 6 7 8</sup> wherein said another of said luminescent materials includes a garnet structure having the formula  $(\text{Tb}_{1-x-y}\text{SE}_x\text{Ce}_y)_3(\text{Al,Ga})_5\text{O}_{12}$ , where

SE = Y, Gd, La, Sm and/or Lu;  $0 \leq x \leq 0.5 - y$ ; and

$0 < y < 0.1$ , and

wherein said mixture of luminescent materials is excitable by radiation from the range of 400 to 500 nm.

13 ~~25.~~ (Previously presented) The light source arrangement of claim ~~17, 18, 19 or 20~~ <sup>5 6 7 8</sup> wherein said another of said luminescent materials includes a garnet structure having the formula  $(\text{Tb}_{1-x-y}\text{SE}_x\text{Ce}_y)_3(\text{Al,Ga})_5\text{O}_{12}$ , where

SE = Y, Gd, La, Sm and/or Lu;  $0 \leq x \leq 0.5 - y$ ; and

$0 < y < 0.1$  and

wherein said mixture of luminescent materials is excitable by radiation from the range of 420 to 490 nm.

4 26. (Previously presented) The light source arrangement of claim ~~13, 14, 15, 16 or 17~~ <sup>1 3 4 2 5</sup> wherein said radiation is partially converted radiation and is mixed with emitted radiation from said radiation source to produce white light.

15 27. (Currently amended) A light source arrangement comprising  
a radiation source that emits radiation from the wavelength range 430 to 480 nm of the spectrum, and

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a mixture of luminescent materials arranged to receive said radiation,  
wherein one of said luminescent materials has a Ce-activated garnet structure having the formula  $A_3B_5O_{12}$ , in which the first component A contains at least one element from the group consisting of Y, Lu,  $[[Se]]Sc$ , La, Gd, and Sm and the second component B contains at least one element from the group consisting of Al, Ga and In,

wherein another of said luminescent materials has a Ce-activated garnet structure having the formula  $A_3B_5O_{12}$ , in which the first component A contains at least one element from the group consisting of Y, Lu,  $[[Se]]Sc$ , La, Gd, Sm and Tb and consists at least in part of Tb as a constituent of the host lattice, and the second component B contains at least one element from the group consisting of Al, Ga and In,

wherein said radiation is at least partially converted into longer-wave radiation by said mixture of luminescent materials.

16 28. (Currently amended) A light source arrangement comprising a radiation source that emits radiation from the wavelength range 400-500 nm of the spectrum, and  
a mixture of luminescent materials having different compositions arranged to receive said radiation,

wherein at least one of said luminescent materials has a Ce-activated garnet structure having the formula  $A_3B_5O_{12}$ , in which the first component A contains at least one element from the group consisting of Y, Lu,  $[[Se]]Sc$ , La, Gd, Sm, and Tb and consists at least in part of Tb as

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a constitute of the host lattice, and the second component B contains at least one element from the group consisting of Al, Ga and In,  
wherein said radiation is at least partially converted into longer-wave radiation by said mixture of luminescent materials.

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